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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,085	12/01/2003	Byoung-Chul Kim	P56992	1660
Robert E. Bushi	7590 06/04/200 nell	EXAMINER		
Suite 300	AT 337	TRAN, PHILIP B		
1522 K Street, N.W. Washington, DC 20005-1202			ART UNIT	PAPER NUMBER
			MAIL DATE	DELIVERY MODE
			06/04/2008	PAPER

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/724,085	KIM ET AL.				
Office Action Summary	Examiner	Art Unit				
	Philip B. Tran	2155				
The MAILING DATE of this communication app	pears on the cover sheet with the c	correspondence address				
Period for Reply						
<ul> <li>A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.</li> <li>Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.</li> <li>If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.</li> <li>Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).</li> </ul>						
Status						
	lov 2007					
1) Responsive to communication(s) filed on <u>24 M</u> 2a) This action is <b>FINAL</b> . 2b) This						
	/ <del></del>					
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
closed in accordance with the practice under z	-x parte Quayle, 1999 O.D. 11, 4.	03 O.G. 210.				
Disposition of Claims						
4) Claim(s) <u>1-33</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-33</u> is/are allowed.						
6)☐ Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. ☐ Certified copies of the priority document	s have been received					
	<del>_</del>					
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Coo the attached detailed office action for a list of the continue copies het reserved.						
Attach manut(a)						
Attachment(s)  1) X Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
B) Information Disclosure Statement(s) (PTO/SB/08)						
Paper No(s)/Mail Date <u>12/01/03</u> . 6) Other: <u>BIB</u> .						

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### **DETAILED ACTION**

## Claim Objections

1. Claim 1, 18 and 20 are objected to because of the following informalities:

Regarding claim 1, line 4, the term "including nodes..." should be "including actual nodes..." Regarding claim 18, line 2, the term "the parent nod..." should be "the parent node..." Regarding claim 20, line 4, the term "including nodes..." should be "including actual nodes..."

Appropriate corrections are required.

### Other References Cited

- 2. The following references cited by the examiner but not relied upon are considered pertinent to applicant's disclosure.
  - A) Tzeng, U.S. Pat. No. 6,067,574.
  - B) Meltzer, U.S. Pat. No. 6,665,683.
  - C) Nishio, U.S. Pat. No. 4,868,743.
  - D) Chevalier et al, U.S. Pat. No. 6,246,669.
  - E) Nickel, U.S. Pat. No. 5,202,986.
  - F) Forslow, U.S. Pat. No. 6,973,057.
  - G) Breibart et al, U.S. Pat. Application Pub. No. US 2002/0147842 A1.

### Conclusion

3. This application is in condition for allowance except for the following formal matters: In formalities objection discussed above.

Prosecution on the merits is closed in accordance with the practice under Ex Parte Quayle, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

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4. A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS

SET TO EXPIRE TWO MONTHS FROM THE MAILING DATE OF THIS LETTER.

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Philip Tran whose telephone number is (571) 272-3991.

The Group fax phone number is (571) 273-8300. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, Saleh Najjar, can be reached on

(571) 272-4006.

6. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

/Philip B Tran/

Primary Examiner, Art Unit 2155

May 26, 2008

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